[0017] The invention relates, in another embodiment, to a method for recognizing a pan gesture made on a multipoint touch sensitive device. The method includes detecting the presence of at least a first object and a second object at the same time. The method also includes monitoring the position of the at least first and second objects when the objects are moved together across the touch sensitive device. The method further includes generating a pan signal when the position of the at least first and second objects changes relative to an initial position.

[0018] The invention relates, in another embodiment, to a method for recognizing a rotate gesture made on a multipoint touch sensitive device. The method includes detecting the presence of at least a first object and a second object at the same time. The method also includes detecting a rotation of the at least first and second objects. The method further includes generating a rotate signal in response to the detected rotation of the at least first and second objects.

[0019] The invention relates, in another embodiment, to a computer implemented method for initiating floating controls via a touch sensitive device. The method includes detecting the presence of an object on the touch sensitive device. The method also includes recognizing the object. The method further includes generating a user interface element on a display based on the recognized object.

[0020] The invention relates, in another embodiment, to a computer implemented method of initiating a page turn via a touch sensitive device. The method includes displaying a page from a multitude of pages in a GUI presented on a display. The method also includes detecting the presence of an object on the touch sensitive device. The method further includes generating a page turn signal when the object is translated horizontally on the touch sensitive device.

BRIEF DESCRIPTION OF THE DRAWINGS

[0021] The invention will be readily understood by the following detailed description in conjunction with the accompanying drawings, wherein like reference numerals designate like structural elements, and in which:

[0022] FIG. 1 is a block diagram of a computer system, in accordance with one embodiment of the present invention.

[0023] FIG. 2 is a multipoint processing method, in accordance with one embodiment of the present invention.

[0024] FIGS. 3A and B illustrate an image, in accordance with one embodiment of the present invention.

[0025] FIG. 4 illustrates a group of features, in accordance with one embodiment of the present invention.

[0026] FIG. 5 is a parameter calculation method, in accordance with one embodiment of the present invention.

[0027] FIGS. 6A-6G illustrate a rotate gesture, in accordance with one embodiment of the present invention.

[0028] FIG. 7 is a diagram of a touch-based method, in accordance with one embodiment of the present invention.

[0029] FIG. 8 is a diagram of a touch-based method, in accordance with one embodiment of the present invention.

[0030] FIG. 9 is a diagram of a touch-based method, in accordance with one embodiment of the present invention.

[0031] FIG. 10 is a diagram of a zoom gesture method, in accordance with one embodiment of the present invention.

[0032] FIGS. 11A-11H illustrates a zooming sequence, in accordance with one embodiment of the present invention.

[0033] FIG. 12 is a diagram of a pan method, in accordance with one embodiment of the present invention.

[0034] FIGS. 13A-13D illustrate a panning sequence, in accordance with one embodiment of the present invention.

[0035] FIG. 14 is a diagram of a rotate method, in accordance with one embodiment of the present invention.

[0036] FIGS. 15A- 15C illustrate a rotating sequence, in accordance with one embodiment of the present invention.

[0037] FIG. 16 is a diagram of a GUI operational method, in accordance with one embodiment of the present invention.

[0038] FIGS. 17A-17E illustrate a floating control sequence, in accordance with one embodiment of the present invention.

[0039] FIG. 18 is a diagram of a GUI operational method, in accordance with one embodiment of the present invention.

[0040] FIGS. 19A-19D illustrate a zooming target sequence, in accordance with one embodiment of the present invention.

[0041] FIG. 20 is a diagram of a GUI operational method, in accordance with one embodiment of the present invention.

[0042] FIGS. 21A-21D illustrate a page turning sequence, in accordance with one embodiment of the present invention.

[0043] FIG. 22 is a diagram of a GUI operational method, in accordance with one embodiment of the present invention.

[0044] FIGS. 23A-23D illustrate an inertia sequence, in accordance with one embodiment of the present invention.

[0045] FIG. 24 is a diagram of a GUI operational method, in accordance with one embodiment of the present invention.

[0046] FIGS. 25A-25D illustrates a keyboard sequence, in accordance with one embodiment of the present invention.

[0047] FIG. 26 is a diagram of a GUI operational method, in accordance with one embodiment of the present invention.

[0048] FIGS. 27A-27D illustrates a scroll wheel sequence, in accordance with one embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0049] The invention generally pertains to gestures and methods of implementing gestures with touch sensitive devices. Examples of touch sensitive devices include touch screens and touch pads. One aspect of the invention relates to recognizing at least two simultaneously occurring gestures. Another aspect of the invention relates to displaying a